

## EAST Search History

| Ref # | Hits   | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|---|------------------|---------|------------------|
| S1    | 2      | "20040196053"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/09/20 15:27 |
| S2    | 61     | ((notch adj filter) with gain with (cut\$1off frequency)).clm.            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/09/20 15:34 |
| S3    | 605797 | symmetric\$2 asymmetric\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/09/20 17:06 |
| S4    | 3      | S2 and S3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/09/20 15:28 |
| S5    | 18     | (notch adj filter) with asymmetric\$2                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/09/22 11:31 |
| S6    | 7      | "5929700"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/09/20 15:46 |
| S7    | 96     | (combin\$5 over\$1lap\$4 ) with (notch adj filter)with (gain attenuat\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/09/20 16:26 |
| S8    | 1      | S3 and S6   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/09/20 16:26 |

## EAST Search History

|     |       |  |   |    |     |                  |
|-----|-------|--|---|----|-----|------------------|
| S9  | 12    | S3 and S7  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/20 16:26 |
| S10 | 6881  | (324/633,76.19,76.28,76.3,76.44,<br>158.1).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/09/20 16:59 |
| S11 | 110   | (327/556).CCLS.                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/09/20 16:59 |
| S12 | 6990  | S10 or S11                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/09/20 17:00 |
| S13 | 4299  | (filter near5 (combin\$4<br>over\$1lap\$4)).clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/09/20 17:00 |
| S14 | 4961  | (filter near5 (combin\$4<br>over\$1lap\$4)).clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/20 17:00 |
| S15 | 12    | S12 and S14                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/20 17:00 |
| S16 | 18348 | asymmetric\$3.clm.                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/20 17:06 |

## EAST Search History

|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S17 | 50     | S14 and S16  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/20 17:06 |
| S18 | 50     | S17 not S15  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/20 17:06 |
| S19 | 3120   | (filter) with asymmetric\$2                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/22 11:31 |
| S20 | 169    | (filter) with asymmetric\$2 with<br>(gain attenuation) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/22 11:33 |
| S21 | 113308 | (filter with combin\$5)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/22 11:33 |
| S22 | 101    | S20 and S21  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/22 11:33 |
| S23 | 928    | (notch adj filter) near3 (first second<br>third)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/22 12:26 |
| S24 | 15     | S19 and S23  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/22 12:26 |

## EAST Search History

| Ref # | Hits   | Search Query            | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|-------------------------|---|------------------|---------|------------------|
| L1    | 580    | (333/167).CCLS.         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/09/26 18:44 |
| L2    | 1408   | (notch adj filter).clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/09/26 18:41 |
| L3    | 6      | 1 and 2                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/09/26 18:42 |
| L4    | 145452 | (324/\$\$).CCLS.        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/09/26 18:42 |
| L5    | 53     | 2 and 4                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/09/26 18:44 |
| L6    | 3876   | (333/165-167,202).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/09/26 18:44 |
| L7    | 31     | 2 and 6                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/09/26 18:44 |
| L8    | 25     | 7 not 3                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/09/26 18:45 |

## EAST Search History

|     |     |                   |   |    |     |                  |
|-----|-----|-------------------|---|----|-----|------------------|
| L9  | 174 | 327/556           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/09/26 18:46 |
| L10 | 28  | 2 and 9           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/09/26 18:48 |
| L11 | 68  | (324/76.28).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/09/26 18:49 |
| L12 | 216 | (324/633).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/09/26 18:49 |
| L13 | 1   | 2 and 12          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/09/26 18:49 |